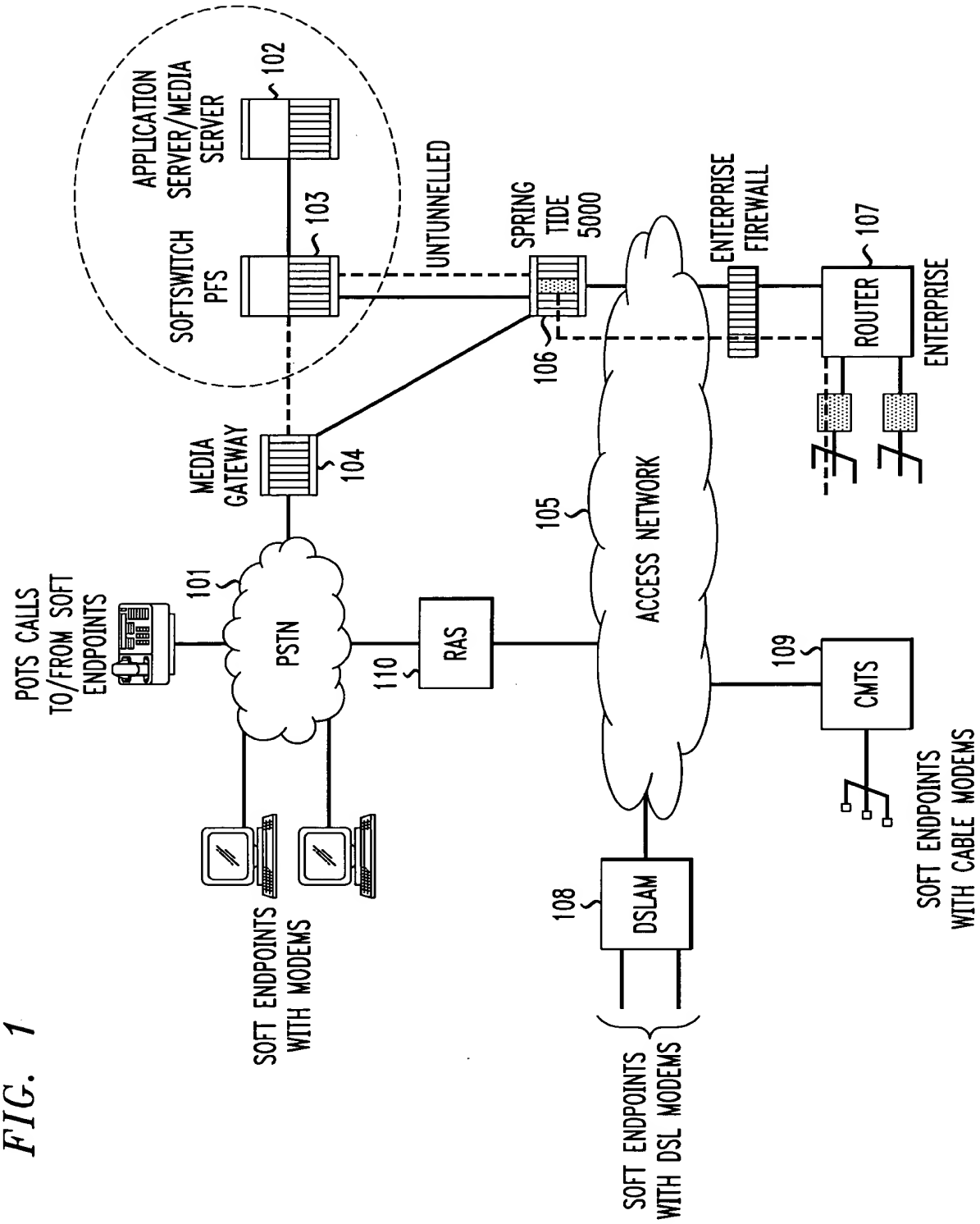

APPLICATION SERVER/MEDIA SERVER
102
SOFTSWITCH PFS
103
UNTUNNELLED
SPRING TIDE 5000
106
ENTERPRISE FIREWALL
ROUTER
107
ENTERPRISE
MEDIA GATEWAY
104
ACCESS NETWORK
105
POTS CALLS TO/FROM SOFT ENDPOINTS
101
PSTN
RAS
110
CMTS
109
SOFT ENDPOINTS WITH MODEMS
DSLAM
108
SOFT ENDPOINTS WITH DSL MODEMS
SOFT ENDPOINTS WITH CABLE MODEMS

FIG. 1

FIG. 2

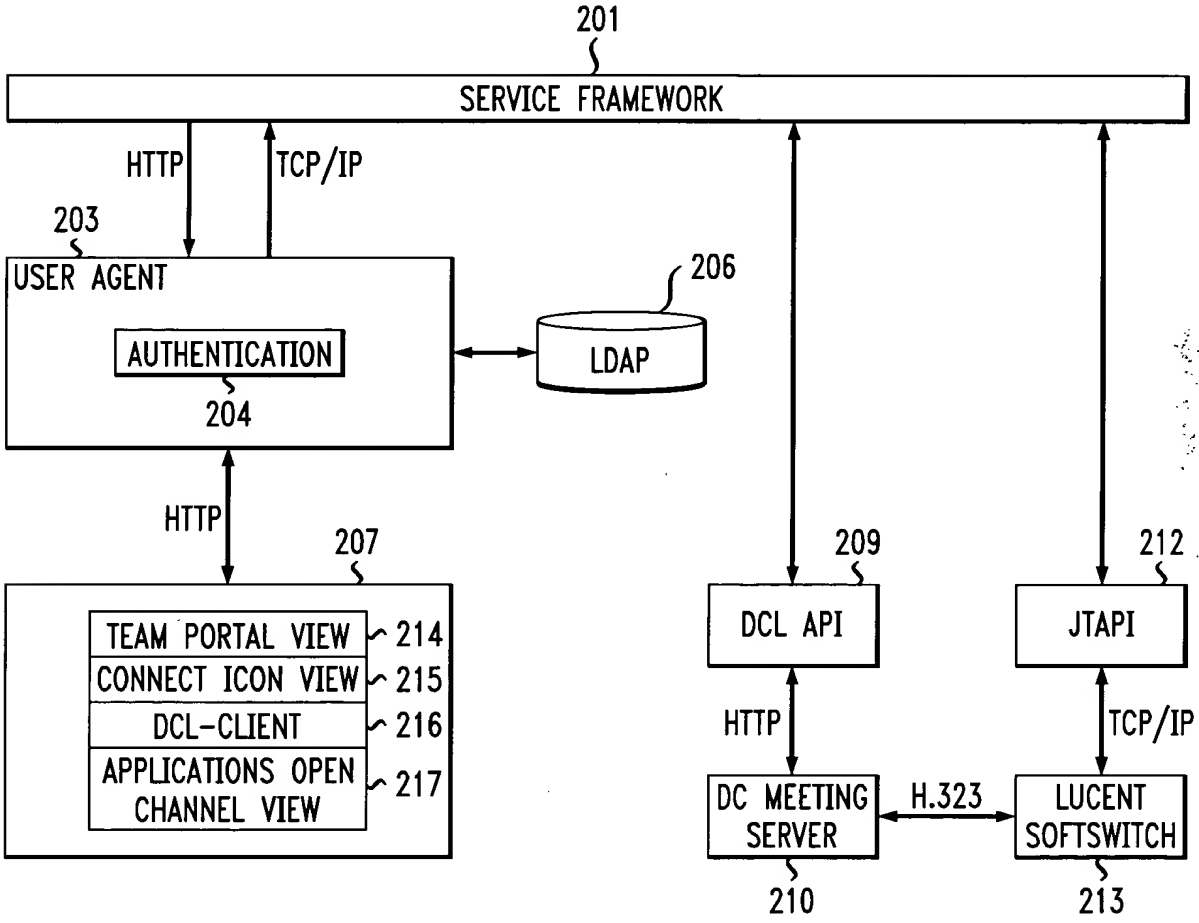

201
SERVICE FRAMEWORK
HTTP
TCP/IP
203
USER AGENT
AUTHENTICATION
204
206
LDAP
HTTP
207
TEAM PORTAL VIEW
214
CONNECT ICON VIEW
215
DCL-CLIENT
216
APPLICATIONS OPEN CHANNEL VIEW
217
209
DCL API
212
JTAPI
HTTP
TCP/IP
DC MEETING SERVER
H.323
LUCENT SOFTSWITCH
210
213

FIG. 3

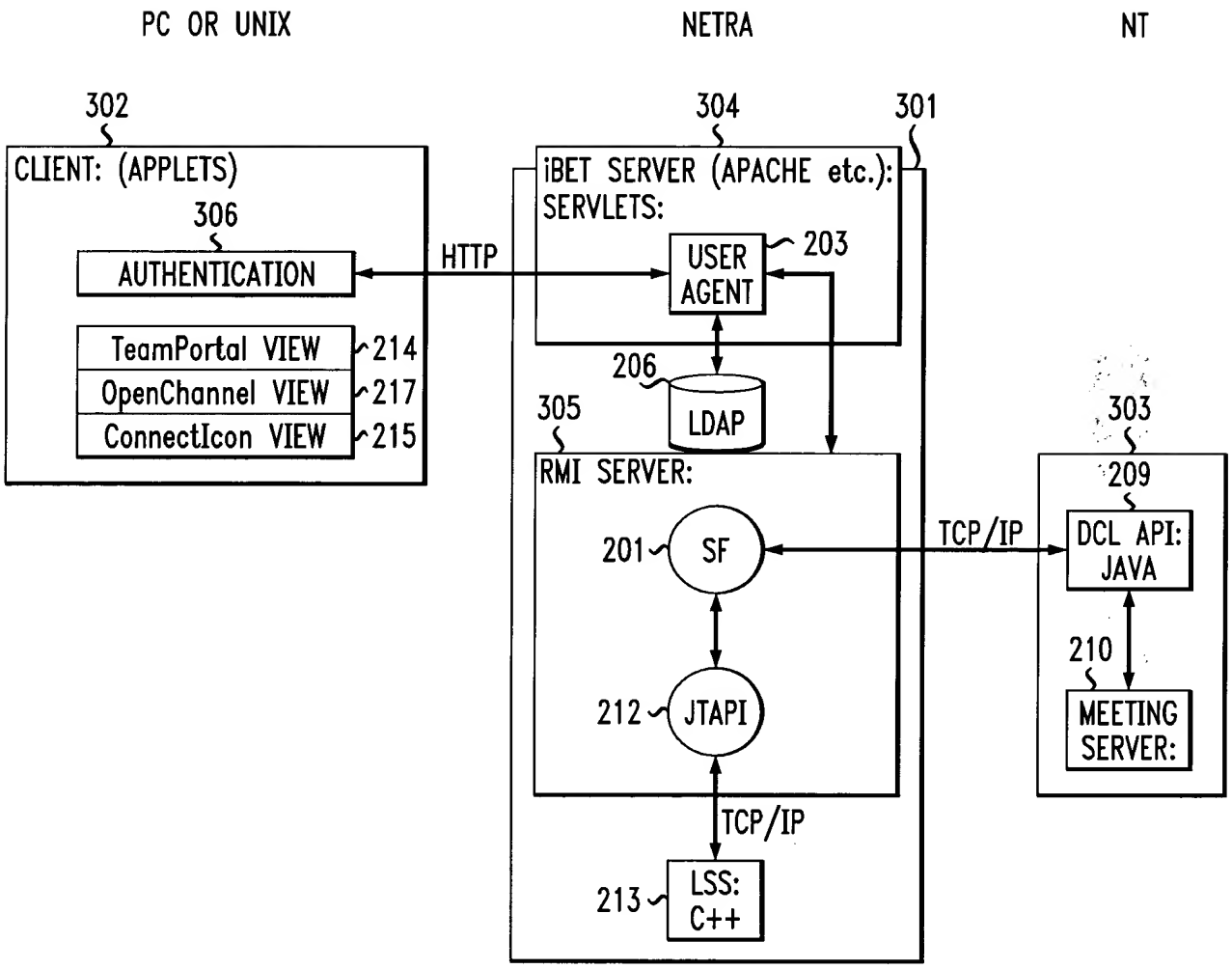

PC OR UNIX
NETRA
NT
302
304
301
CLIENT: (APPLETS)
306
AUTHENTICATION
HTTP
iBET SERVER (APACHE etc.):
SERVLETS:
USER AGENT
203
TeamPortal VIEW
214
OpenChannel VIEW
217
ConnectIcon VIEW
215
206
LDAP
305
303
RMI SERVER:
209
201
SF
TCP/IP
DCL API: JAVA
210
212
JTAPI
MEETING SERVER:
TCP/IP
213
LSS: C++

FIG. 4

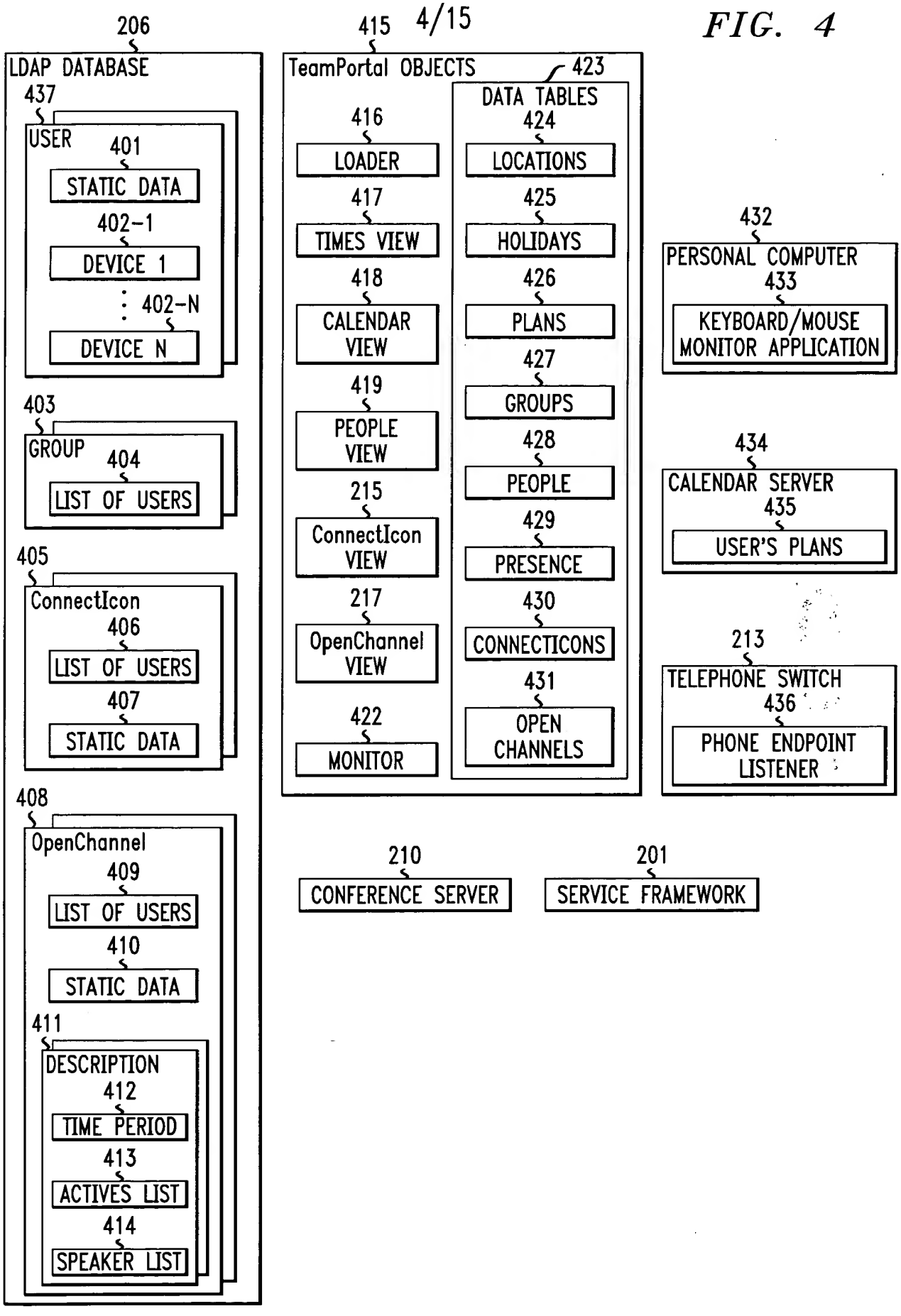

206
LDAP DATABASE
437
USER
401
STATIC DATA
402-1
DEVICE 1
402-N
DEVICE N
403
GROUP
404
LIST OF USERS
405
ConnectIcon
406
LIST OF USERS
407
STATIC DATA
408
OpenChannel
409
LIST OF USERS
410
STATIC DATA
411
DESCRIPTION
412
TIME PERIOD
413
ACTIVES LIST
414
SPEAKER LIST
415
TeamPortal OBJECTS
423
DATA TABLES
416
LOADER
417
TIMES VIEW
418
CALENDAR VIEW
419
PEOPLE VIEW
215
ConnectIcon VIEW
217
OpenChannel VIEW
422
MONITOR
424
LOCATIONS
425
HOLIDAYS
426
PLANS
427
GROUPS
428
PEOPLE
429
PRESENCE
430
CONNECTICONS
431
OPEN CHANNELS
432
PERSONAL COMPUTER
433
KEYBOARD/MOUSE MONITOR APPLICATION
434
CALENDAR SERVER
435
USER'S PLANS
213
TELEPHONE SWITCH
436
PHONE ENDPOINT LISTENER
210
CONFERENCE SERVER
201
SERVICE FRAMEWORK

FIG. 5

AUTOMATIC PRESENCE DATA COLLECTION

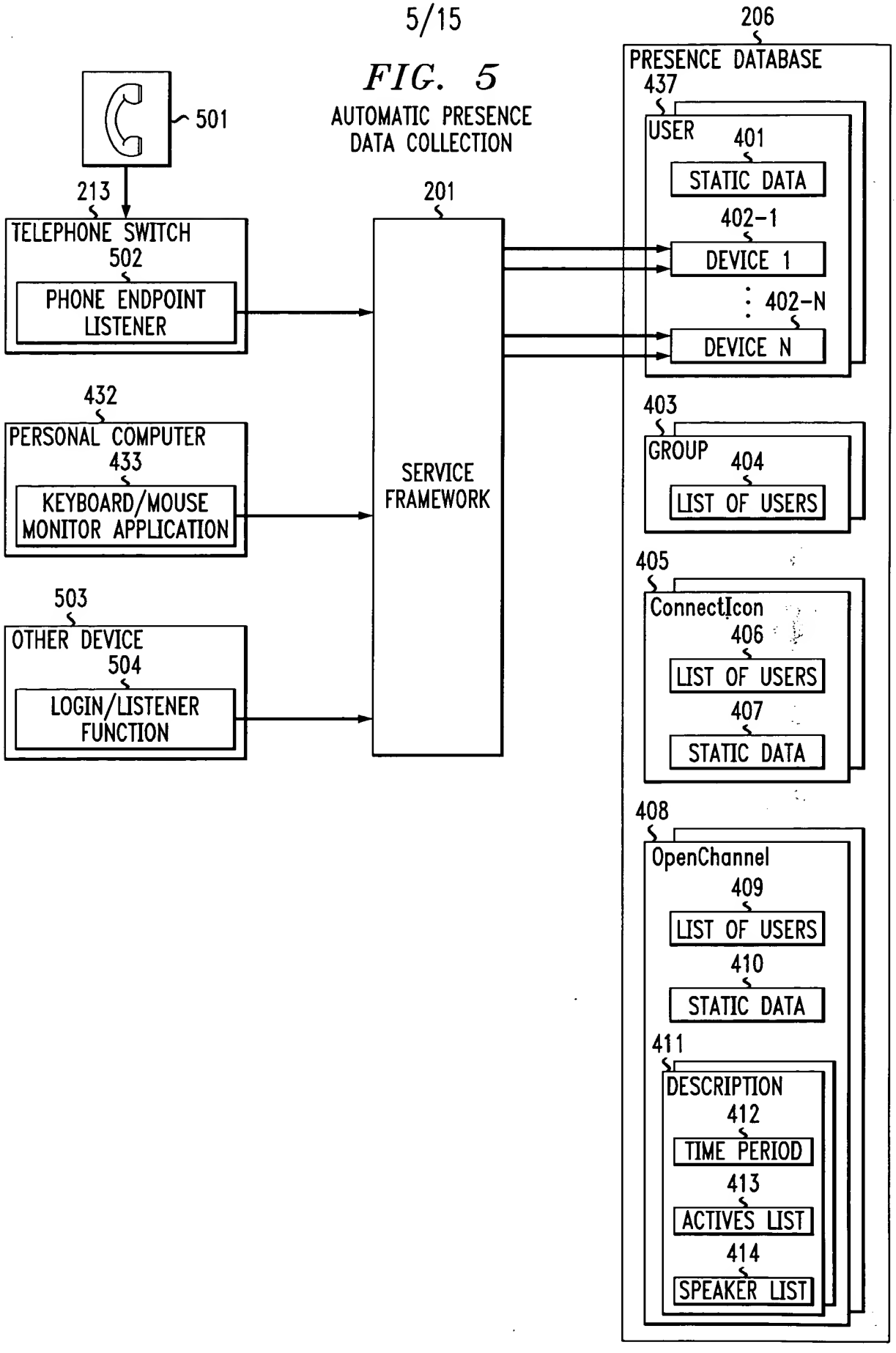


FIG. 6

TeamPortal
DATA ACCESS

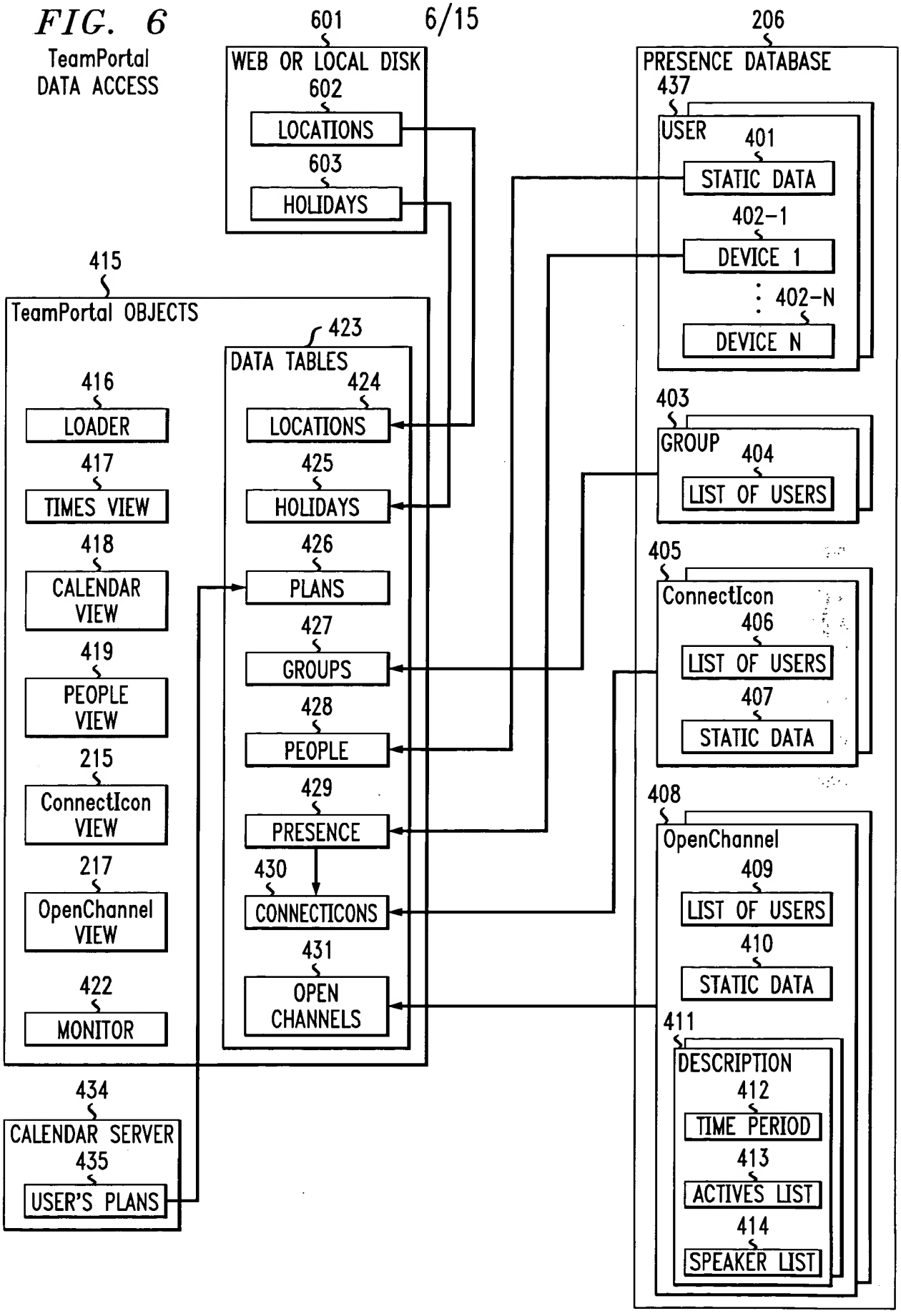


FIG. 7

TeamPortal DATA USE

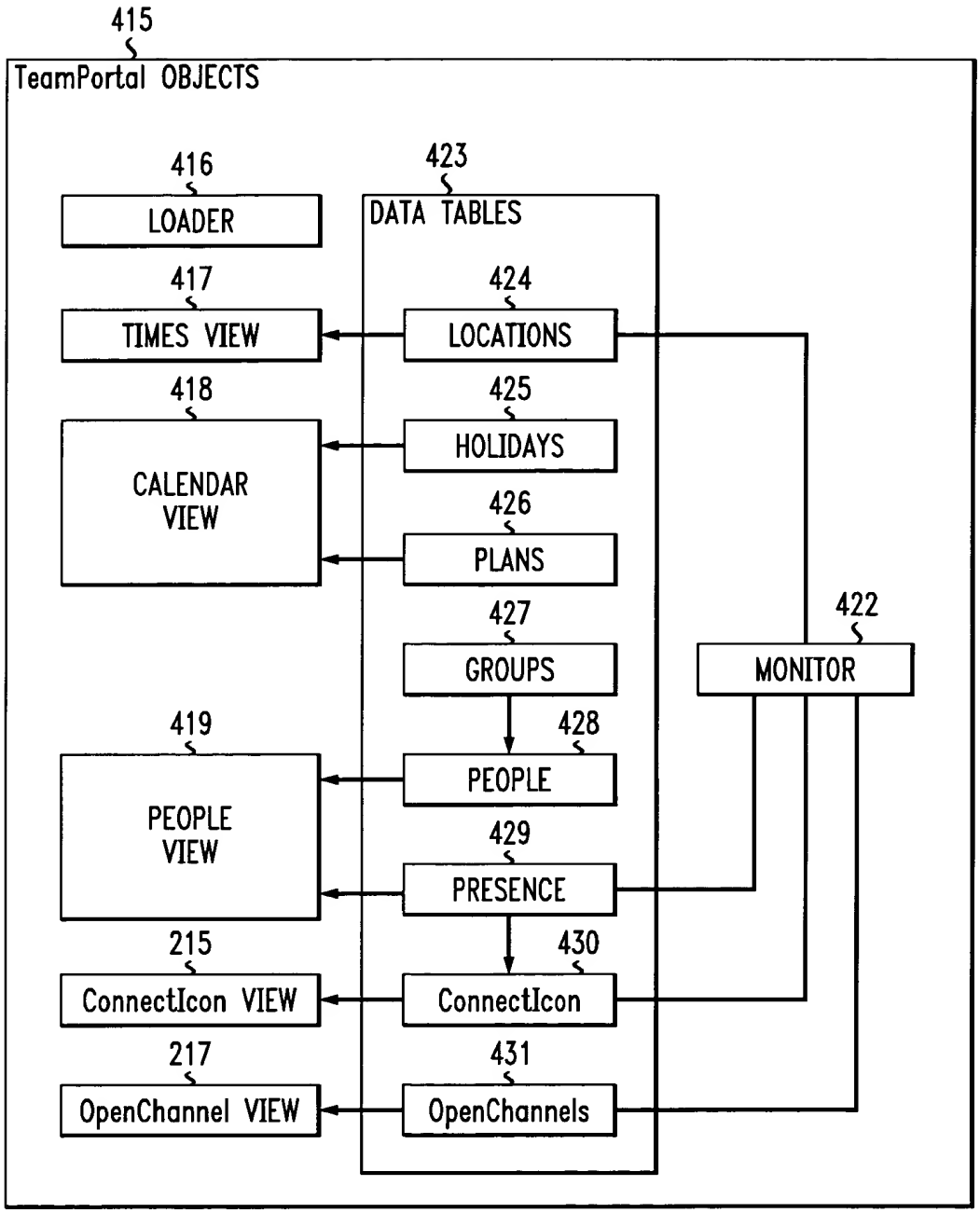


FIG. 8

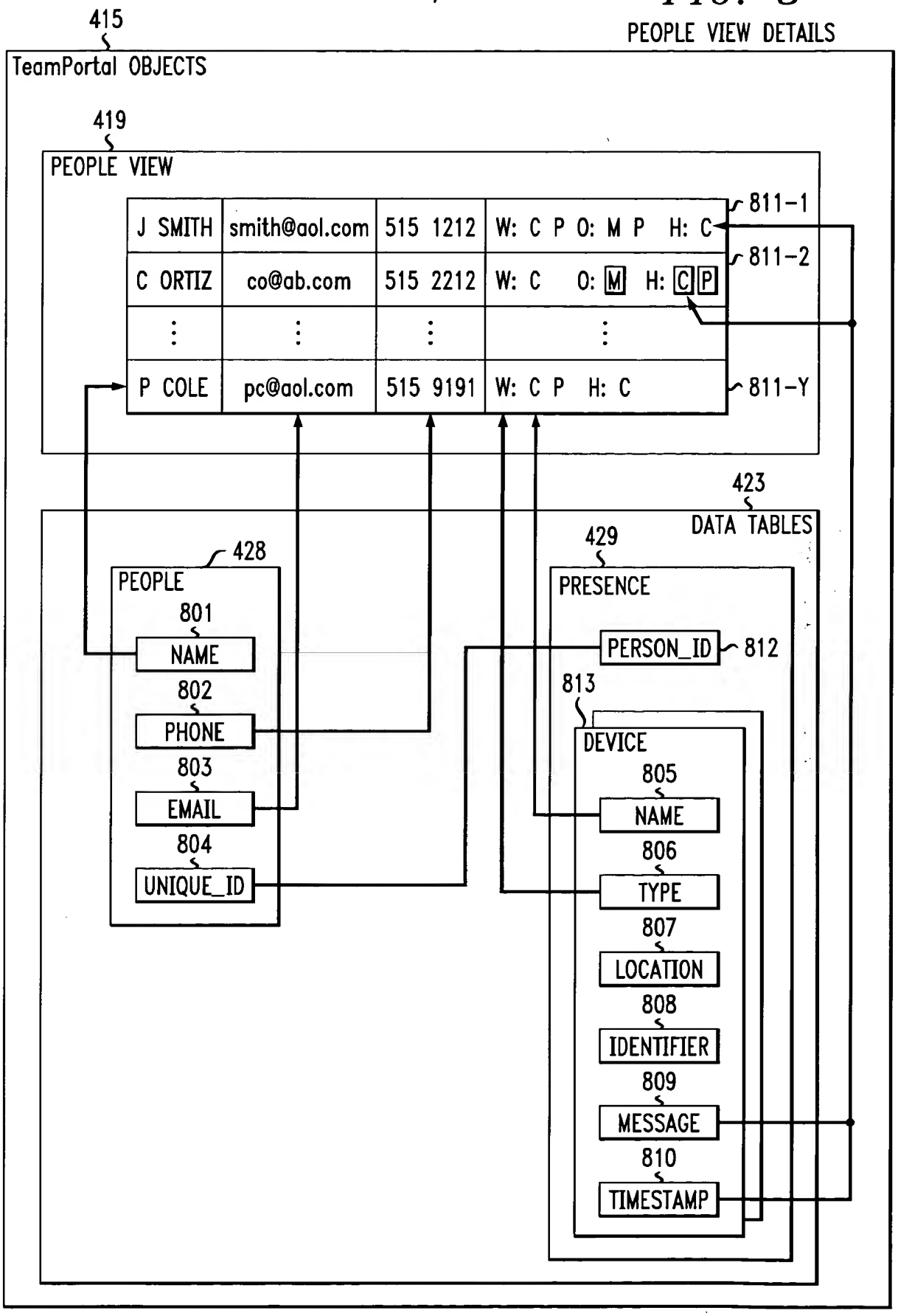

415
PEOPLE VIEW DETAILS
TeamPortal OBJECTS
419
PEOPLE VIEW
J SMITH
smith@aol.com
515 1212
W: C P O: M P H: C
811-1
C ORTIZ
co@ab.com
515 2212
W: C O: M H: C P
811-2
P COLE
pc@aol.com
515 9191
W: C P H: C
811-Y
423
DATA TABLES
428
PEOPLE
801
NAME
802
PHONE
803
EMAIL
804
UNIQUE_ID
429
PRESENCE
PERSON_ID
812
813
DEVICE
805
NAME
806
TYPE
807
LOCATION
808
IDENTIFIER
809
MESSAGE
810
TIMESTAMP

FIG. 9

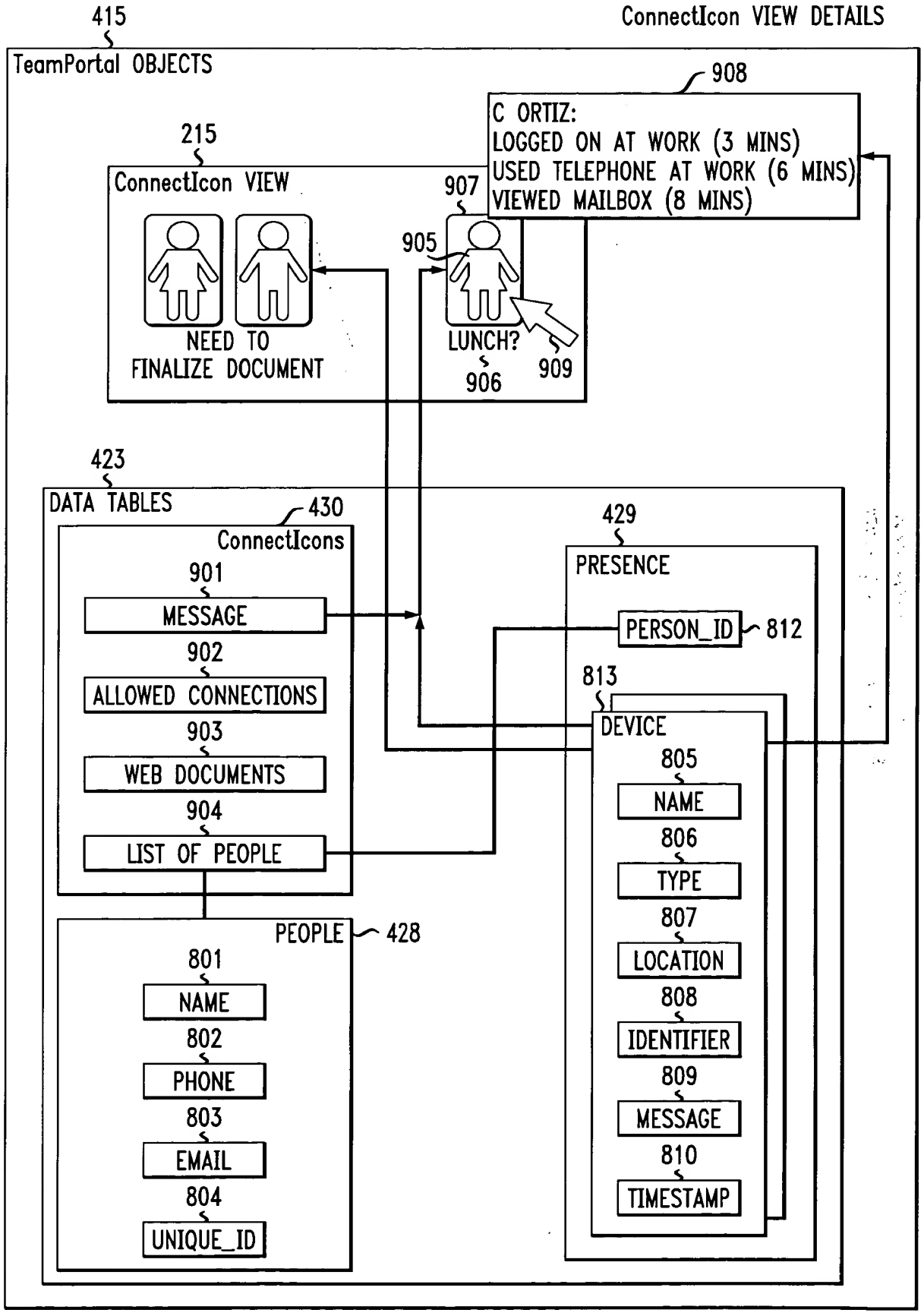

415
TeamPortal OBJECTS
ConnectIcon VIEW DETAILS
908
C ORTIZ:
LOGGED ON AT WORK (3 MINS)
USED TELEPHONE AT WORK (6 MINS)
VIEWED MAILBOX (8 MINS)
215
ConnectIcon VIEW
907
905
NEED TO
FINALIZE DOCUMENT
LUNCH?
906
909
423
DATA TABLES
430
ConnectIcons
901
MESSAGE
902
ALLOWED CONNECTIONS
903
WEB DOCUMENTS
904
LIST OF PEOPLE
429
PRESENCE
PERSON_ID
812
813
DEVICE
805
NAME
806
TYPE
807
LOCATION
808
IDENTIFIER
809
MESSAGE
810
TIMESTAMP
PEOPLE
428
801
NAME
802
PHONE
803
EMAIL
804
UNIQUE_ID

FIG. 10

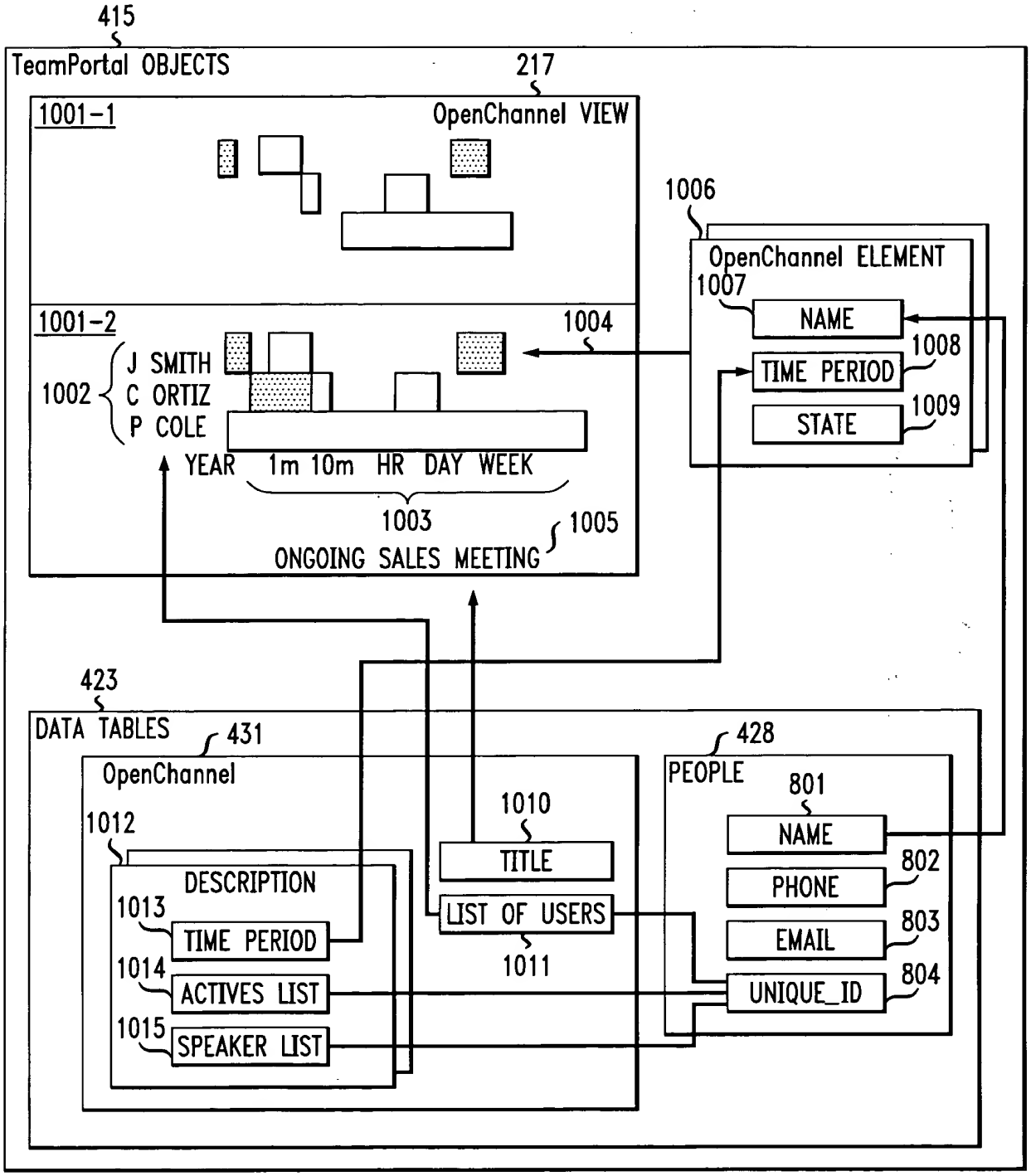

OpenChannel VIEW DETAILS
415
TeamPortal OBJECTS
217
1001-1
OpenChannel VIEW
1006
OpenChannel ELEMENT
1007
NAME
1008
TIME PERIOD
1009
STATE
1001-2
1004
1002
J SMITH
C ORTIZ
P COLE
YEAR
1m 10m
HR
DAY
WEEK
1003
1005
ONGOING SALES MEETING
423
DATA TABLES
431
OpenChannel
1012
DESCRIPTION
1013
TIME PERIOD
1014
ACTIVES LIST
1015
SPEAKER LIST
1010
TITLE
LIST OF USERS
1011
428
PEOPLE
801
NAME
802
PHONE
803
EMAIL
804
UNIQUE_ID

FIG. 11

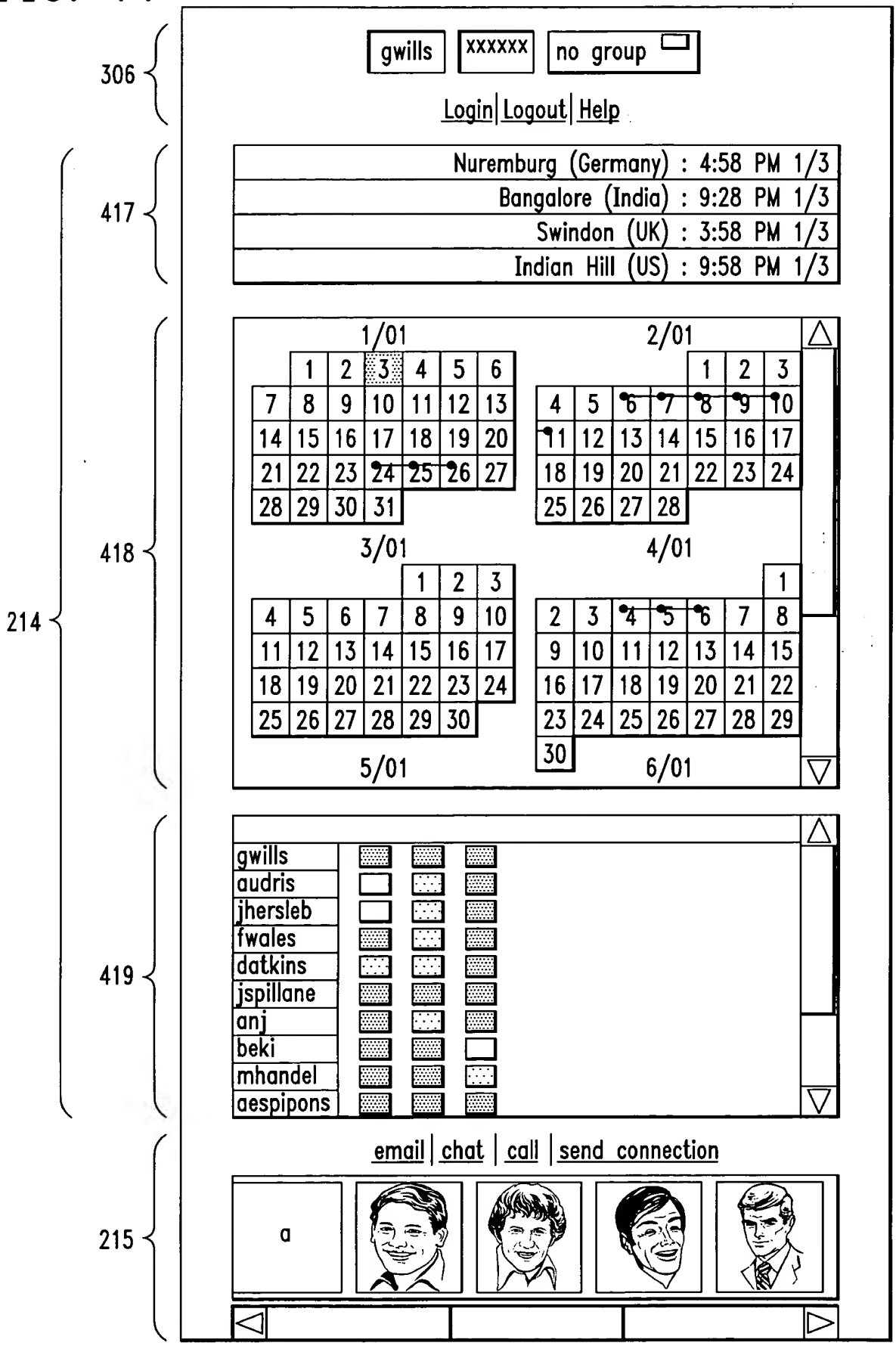
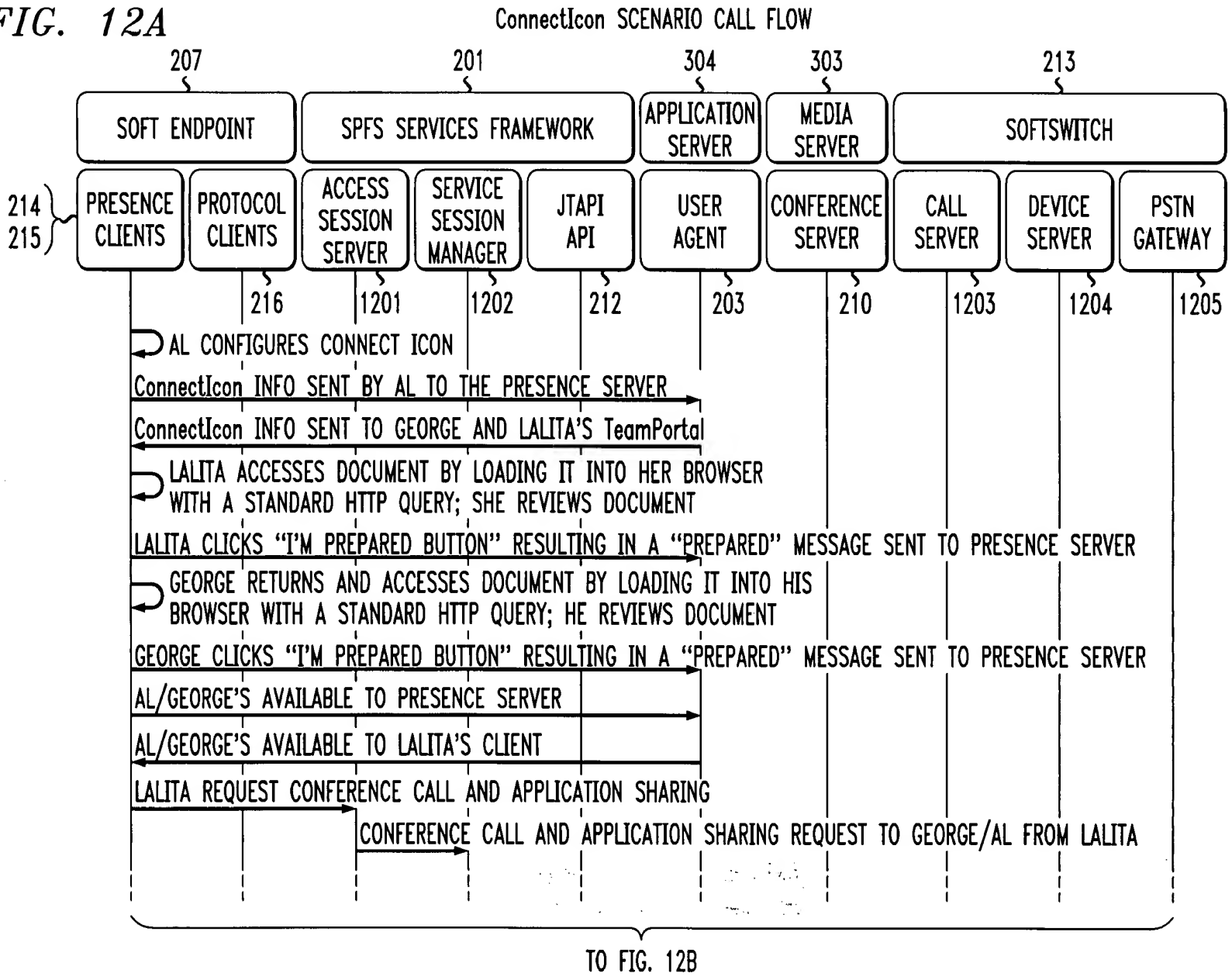

306
gwills
xxxxxx
no group
Login | Logout | Help
214
417
Nuremburg (Germany) : 4:58 PM 1/3
Bangalore (India) : 9:28 PM 1/3
Swindon (UK) : 3:58 PM 1/3
Indian Hill (US) : 9:58 PM 1/3
418
1/01
2/01
3/01
4/01
5/01
6/01
419
gwills
audris
jhersleb
fwales
datkins
jspillane
anj
beki
mhandel
aespipons
email | chat | call | send connection
215
a

FIG. 12A



TO FIG. 12B

D. G. BOYER 4-2-2-1-2-6-11-11

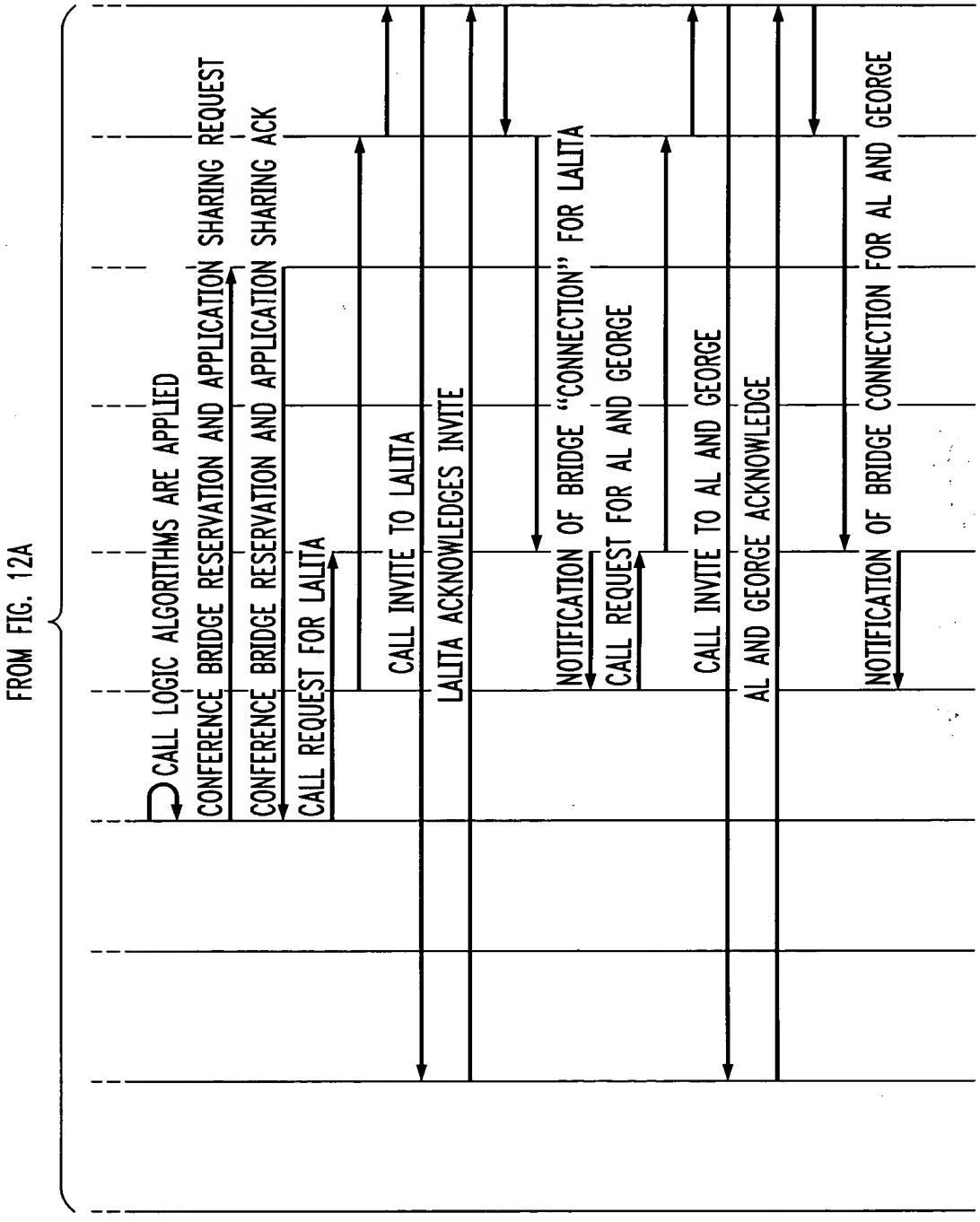
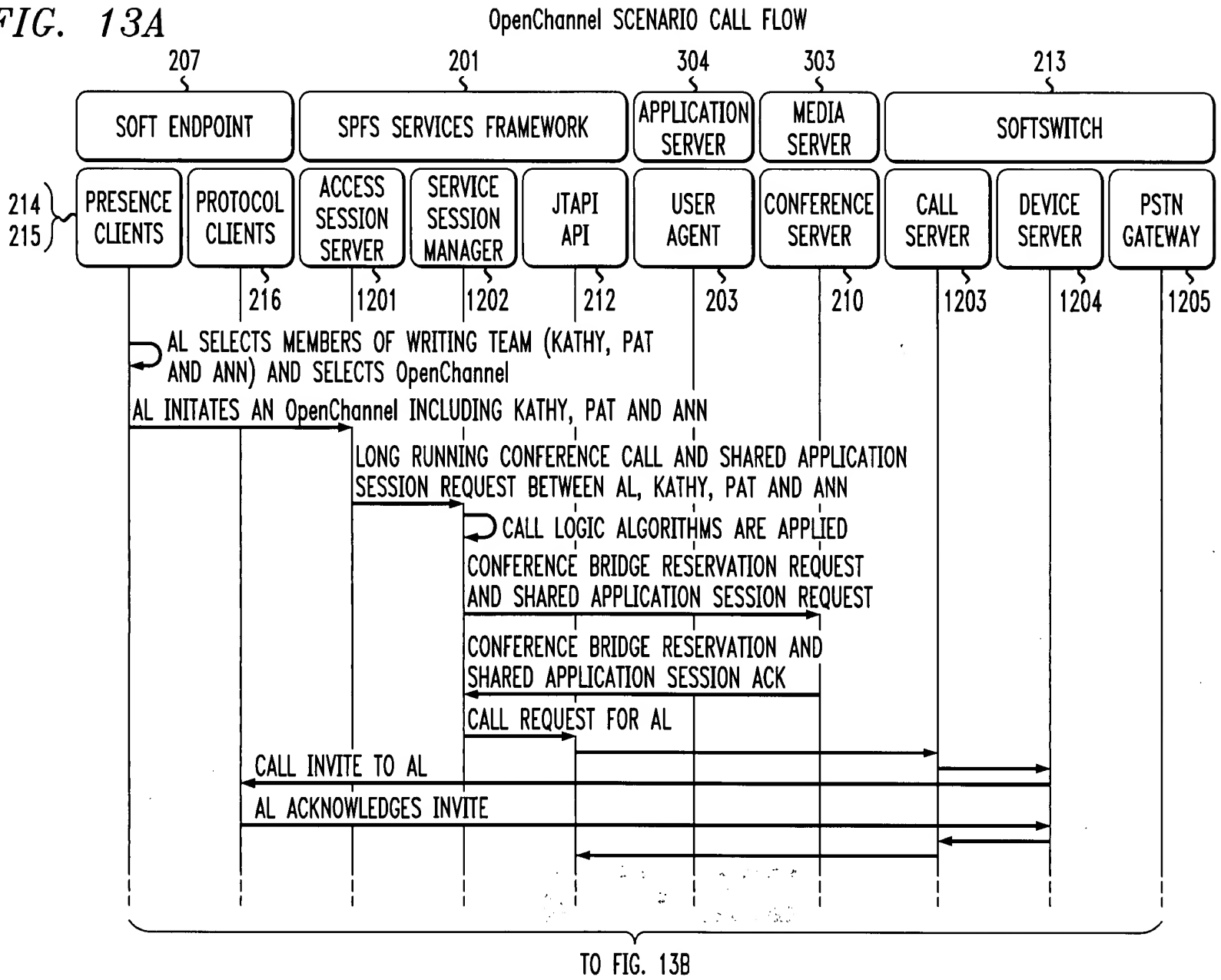

FROM FIG. 12A
CALL LOGIC ALGORITHMS ARE APPLIED
CONFERENCE BRIDGE RESERVATION AND APPLICATION SHARING REQUEST
CONFERENCE BRIDGE RESERVATION AND APPLICATION SHARING ACK
CALL REQUEST FOR LALITA
CALL INVITE TO LALITA
LALITA ACKNOWLEDGES INVITE
NOTIFICATION OF BRIDGE "CONNECTION" FOR LALITA
CALL REQUEST FOR AL AND GEORGE
CALL INVITE TO AL AND GEORGE
AL AND GEORGE ACKNOWLEDGE
NOTIFICATION OF BRIDGE CONNECTION FOR AL AND GEORGE

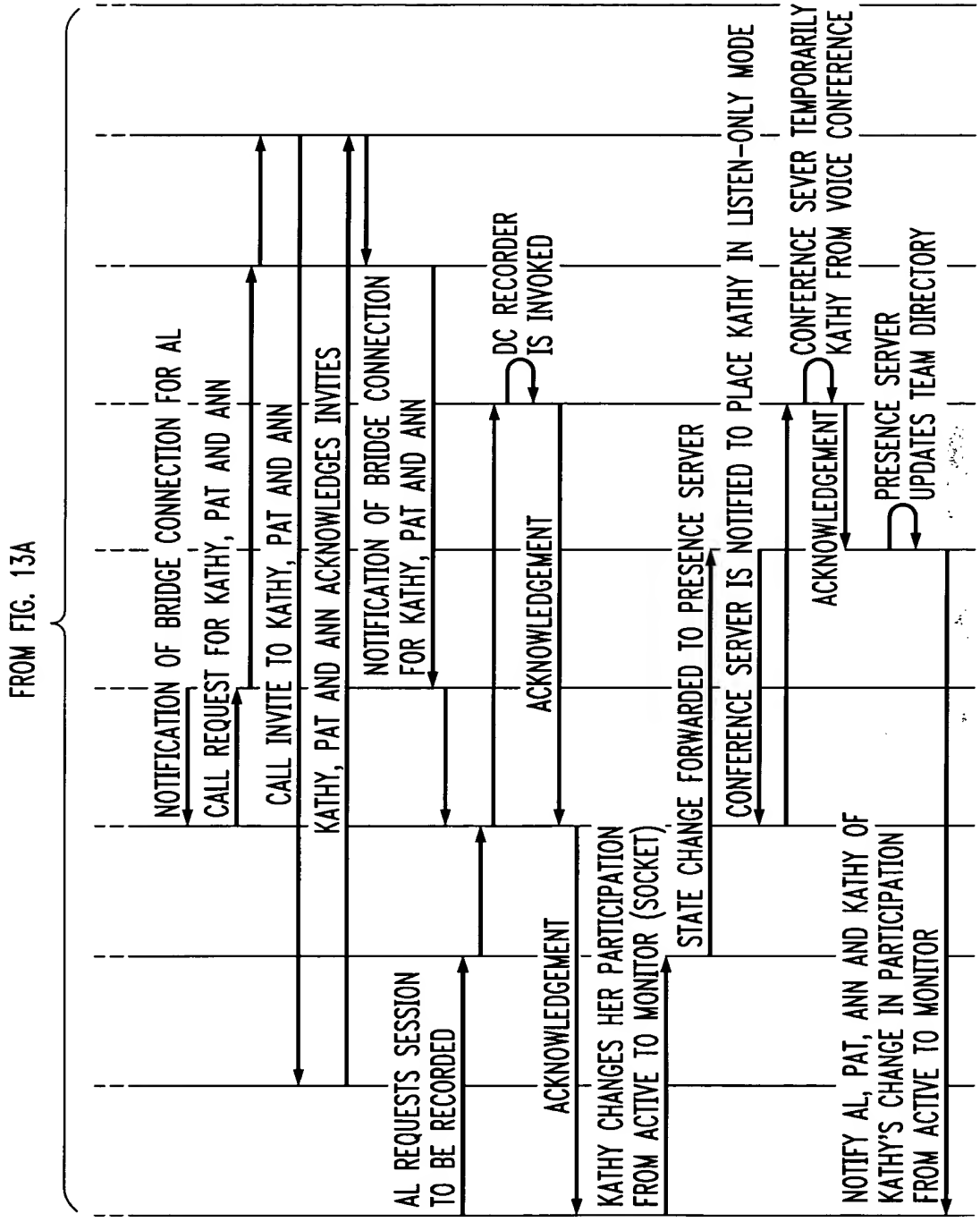
FIG. 12B

FIG. 13A



D. G. BOYER 4-2-2-1-2-6-11-11

FIG. 13B


FROM FIG. 13A
NOTIFICATION OF BRIDGE CONNECTION FOR AL
CALL REQUEST FOR KATHY, PAT AND ANN
CALL INVITE TO KATHY, PAT AND ANN
KATHY, PAT AND ANN ACKNOWLEDGES INVITES
NOTIFICATION OF BRIDGE CONNECTION FOR KATHY, PAT AND ANN
DC RECORDER IS INVOKED
ACKNOWLEDGEMENT
AL REQUESTS SESSION TO BE RECORDED
ACKNOWLEDGEMENT
KATHY CHANGES HER PARTICIPATION FROM ACTIVE TO MONITOR (SOCKET)
STATE CHANGE FORWARDED TO PRESENCE SERVER
CONFERENCE SERVER IS NOTIFIED TO PLACE KATHY IN LISTEN-ONLY MODE
CONFERENCE SEVER TEMPORARILY DISCONNECTS KATHY FROM VOICE CONFERENCE
ACKNOWLEDGEMENT
PRESENCE SERVER UPDATES TEAM DIRECTORY
NOTIFY AL, PAT, ANN AND KATHY OF KATHY'S CHANGE IN PARTICIPATION FROM ACTIVE TO MONITOR